

Printer Interface Type 500

(H144-54/55/56/57)

PARTS CATALOG

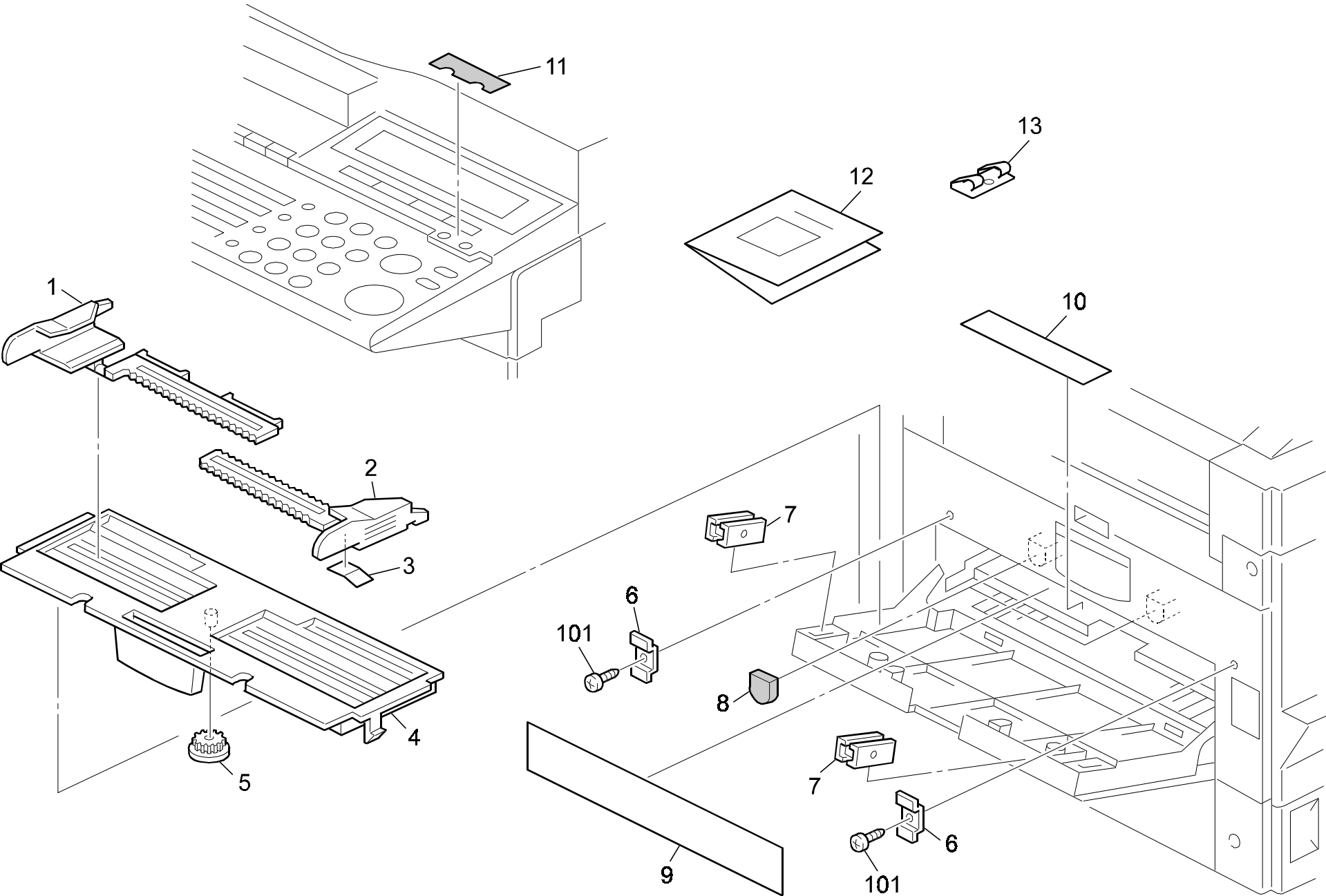
INTRODUCTION

This chapter instructs you the numbers and names of parts on this machine.

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1.PRINTER INTERFACE 1 (H144-54/55/56/57)



1.PRINTER INTERFACE 1 (H144-54/55/56/57)

Index No.	Part No.	Description	Q'ty Per Assembly
1	G029 2704	Left Side Fence	1
2	G029 2703	Right Side Fence	1
3	G029 2710	Side Fence Shield	1
4	H306 4603	By-pass Feed Table	1
5	G800 3133	Side Fence Gear	1
6	G029 1255	Magnet Catch Stay	2
7	AG07 0014	Magnet Catch	2
8	H306 4650	Cushion - By-pass Feed Cover	1
9	H306 3185	Decal - By-pass Feed 1	1
10	H306 3186	Decal - By-pass Feed 2	1
11	H144 4462	Sheet - Printer	1
12	H144 8661	Operation Manual - PIF Type500	1
13	H306 4664	Grounding Plate (EU/ASIA)	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0452 3008B	Tapping Screw - M3x8	

This exploded view diagram illustrates the assembly of a server chassis. The components are numbered as follows:

- 1:** A cable with a connector, shown being inserted into the chassis.
- 2:** A vertical metal support rail.
- 3:** A large rectangular metal plate, likely a backplane or I/O shield.
- 4:** A small rectangular component, possibly a switch or indicator.
- 5:** A horizontal metal rail or bracket.
- 6:** A control panel or I/O module with a small display and buttons.
- 7:** A cable with a connector, shown being inserted into the chassis.
- 8:** A horizontal metal rail or bracket.
- 9:** A vertical metal support rail.
- 10:** A small metal bracket or clip.
- 11:** A horizontal metal rail or bracket.
- 12:** A small metal bracket or clip.
- 13:** A horizontal metal rail or bracket.
- 14:** A horizontal metal rail or bracket.
- 15:** A horizontal metal rail or bracket.
- 16:** A small rectangular component, possibly a switch or indicator.

The diagram shows the relative positions and assembly sequence of these components, with dashed lines indicating the path of assembly. Numerous screws, labeled **102**, are shown being inserted into the chassis to secure the various panels and rails.

2.PRINTER INTERFACE 2 (H144-54/55/56/57)



Index No.	Part No.	Description	Q'ty Per Assembly
1	H306 5219	PIF-FCU Harness	1
2	H306 4640	Rear Bracket	1
3	H306 4638	PIF Bracket	1
4	H515 3709	Edgeing	1
5	H306 4639	PIF Cover	1
6	H306 6075	Printer Interface Board	1
7	H306 5149	PIF Harness	1
8	H306 4652	Front Bracket	1
9	H306 4647	Bracket Cover	2
10	H306 4661	Grounding Plate	1
11	G031 5720	Main Control Board	1
12	H306 4662	Grounding Plate S	1
13	H306 7123	Grounding Pad	1
14	H306 3434	Sheet Bracket	1
15	H306 7124	Grounding Spring Plate	1
16	H306 4667	Clamp	2

Index No.	Part No.	Description	Q'ty Per Assembly
101	0313 0060B	Philips Pan Head Screw - M3x6	
102	0451 3006B	Tapping Screw - M3x6	

3.PRINTER INTERFACE BOARD (H144-54/55/56/57)

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C 1	132	C 11	142	C 21	----	C 31	143	C 41	143	C 51	141	C 61	142
C 2	134	C 12	142	C 22	143	C 32	142	C 42	143	C 52	143	C 62	142
C 3	133	C 13	143	C 23	143	C 33	142	C 43	143	C 53	143	C 63	143
C 4	132	C 14	143	C 24	142	C 34	142	C 44	143	C 54	143	C 64	----
C 5	----	C 15	142	C 25	142	C 35	142	C 45	----	C 55	143	C 65	143
C 6	140	C 16	143	C 26	142	C 36	142	C 46	142	C 56	142	C 66	143
C 7	143	C 17	143	C 27	142	C 37	143	C 47	143	C 57	142	C 67	143
C 8	143	C 18	143	C 28	143	C 38	143	C 48	143	C 58	143	C 68	132
C 9	142	C 19	142	C 29	143	C 39	143	C 49	143	C 59	142	C 69	143
C 10	142	C 20	142	C 30	143	C 40	143	C 50	141	C 60	142	C 70	143

CAPACITOR

SYMBOL NO.	INDEX NO.
C 71	143

DIODE

SYMBOL NO.	INDEX NO.
D 1	110

JP

SYMBOL NO.	INDEX NO.
JP 1	144
JP 2	----
JP 3	144
JP 4	144
JP 5	139
JP 6	139
JP 7	139
JP 8	----
JP 9	139
JP 10	139

SYMBOL NO.	INDEX NO.
JP 11	139
JP 12	139
JP 13	139
JP 14	139
JP 15	139
JP 16	139
JP 17	139
JP 18	139
JP 19	139
JP 20	139

SYMBOL NO.	INDEX NO.
JP 21	----
JP 22	139
JP 23	139
JP 24	139
JP 25	----
JP 26	----
JP 27	139
JP 28	139
JP 29	139
JP 30	139

SYMBOL NO.	INDEX NO.
JP 31	139
JP 32	139
JP 33	139
JP 34	139
JP 35	139
JP 36	139
JP 37	139
JP 38	139
JP 39	139
JP 40	139

SYMBOL NO.	INDEX NO.
JP 41	----
JP 42	139
JP 43	139
JP 44	139
JP 45	139
JP 46	139
JP 47	139
JP 48	139
JP 49	139

CONNECTOR

SYMBOL NO.	INDEX NO.
CN 1	104
CN 2	105
CN 3	103
CN 6	102

FUSE

SYMBOL NO.	INDEX NO.
FU 1	107

LED

SYMBOL NO.	INDEX NO.
LED 1	112
LED 2	112
LED 3	112
LED 4	112
LED 5	112
LED 6	112
LED 7	112
LED 8	112

OSC

SYMBOL NO.	INDEX NO.
OSC 1	128

Q

SYMBOL NO.	INDEX NO.
Q 1	111
Q 2	108
Q 3	108
Q 4	109

RESISTOR

SYMBOL NO.	INDEX NO.
R 1	139
R 2	137
R 3	----
R 4	----
R 5	137
R 6	137
R 7	137
R 8	137
R 9	137
R 10	136

SYMBOL NO.	INDEX NO.
R 11	136
R 12	136
R 13	136
R 14	136
R 15	----
R 16	136
R 17	136
R 18	137
R 19	137
R 20	137

SYMBOL NO.	INDEX NO.
R 21	137
R 22	137
R 23	136
R 24	136
R 25	136
R 26	136
R 27	136
R 28	137
R 29	136
R 30	136

SYMBOL NO.	INDEX NO.
R 31	136
R 32	136
R 33	136
R 34	136
R 35	136
R 36	137
R 37	137
R 38	137
R 39	----
R 40	137

SYMBOL NO.	INDEX NO.
R 41	137
R 42	137
R 43	137
R 44	136
R 45	136
R 46	136
R 47	136
R 48	----
R 49	----
R 50	----

RESISTOR

SYMBOL NO.	INDEX NO.
R 51	----
R 52	----
R 53	----
R 54	137
R 55	137
R 56	137
R 57	137
R 58	137
R 59	137
R 60	137

SYMBOL NO.	INDEX NO.
R 61	137
R 62	137
R 63	137
R 64	----
R 65	137
R 66	137
R 67	----
R 68	----
R 69	138
R 70	----

SYMBOL NO.	INDEX NO.
R 71	137
R 72	137
R 73	137
R 74	137
R 75	137

RN

SYMBOL NO.	INDEX NO.
RN 1	130
RN 2	130
RN 3	130
RN 4	131
RN 5	130
RN 6	131
RN 7	130
RN 8	131
RN 9	130
RN 10	131

SYMBOL NO.	INDEX NO.
RN 11	129

TEST POINT

SYMBOL NO.	INDEX NO.
TP 1	101
TP 2	101
TP 3	101
TP 4	101
TP 5	101
TP 6	101
TP 7	101
TP 8	101
TP 9	101

3.PRINTER INTERFACE BOARD (H144-54/55/56/57)

Index No.	Part No.	Description	Q'ty Per Assembly
* 1	H306 6075 H306 7105	PCB PIF-P3 LSI HD64F3334YCP16	

Index No.	Part No.	Description	Q'ty Per Assembly
101	1101 0429	Test Pin	
102	1102 4201	Connector - 2P	
103	1102 4818	Connector - 20P	
104	1102 4820	CT Connector - 24P	
105	1102 7525	Connector - 53315-0200	
106	1104 0731	PLCC Connector - 84P	
107	1107 0555	Fuse - 4A	
108	1400 0702	Transistor - DTD143EK	
109	1400 0733	Transistor - 2SD1866	
110	1401 0821	Diode - 1SS133	
111	1401 0869	Transistor - Array - TD62003F	
112	1402 0783	Red LED - GL3PR8	
113	1407 4300	IC - TC74VHC32F	
114	1407 4404	CMOS IC - 74VHC157 SOP	
115	1407 4405	IC - TC74VHC244F	
116	1407 4615	IC - TC74VHC02F	
117	1407 4675	CMOS IC - 74VHCT374 SOP	
118	1407 4816	CMOS IC - 74VHC273 SOP	
119	1407 4835	IC - TC74VHC74F	
120	1407 4884	CMOS IC - 74VHC240 SOP	
121	1407 5115	CMOS IC - 74VHCT08 SOP	
122	1407 5116	CMOS IC - 74VHCT74 SOP	
123	1407 5117	CMOS IC - 74VHC165 SOP	
124	1407 5118	CMOS IC - 74VHC164 SOP	
125	1407 5119	CMOS IC - 74VHC175 SOP	
126	1407 5140	CMOS TC74VHCT14AF	
127	1408 1429	IC - HRD05003	
128	1503 0233	Oscillator - 16MHz	
129	1601 7693	Resistor Array - 820 Ω	
130	1601 7752	Resistor Array - 10K Ω $\pm$ 5%	
131	1601 7757	Resistor - 0 Ω	
132	1604 4658	Capacitor - 56uF $\pm$ 20% 50V	
133	1604 4697	Capacitor - 680O28[F-2	
134	1604 4698	Capacitor - 470O28[F-2	
135	1607 1166	Filter - BLM21A601FPB	

Index No.	Part No.	Description	Q'ty Per Assembly
136	1630 3101	Resistor - 100 Ω - 1/10W	
137	1630 3103	Resistor - 10K Ω 1/10W $\pm$ 5%	
138	1630 3472	Resistor - 4.7K Ω 1/10W $\pm$ 5%	
139	1633 0000	Resistor - 0 Ω 1/10W	
140	1660 3102	Capacitor - 1000pF $\pm$ 5% 50V	
141	1660 3150	Capacitor - 15pF 50V	
142	1660 3151	Capacitor - 150pF $\pm$ 5% 50V	
143	1660 7104	Capacitor - 100000pF 50V	
144	1102 0307	Connector - 6P	

Index No.	Part No.	Description	Q'ty Per Assembly

4.MAIN CONTROL BOARD (H144-54/55/56/57)

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C 1	145	C 11	144	C 21	----	C 31	153	C 41	150	C 51	148
C 2	145	C 12	143	C 22	----	C 32	153	C 42	148	C 52	153
C 3	----	C 13	143	C 23	----	C 33	124	C 43	148	C 53	153
C 4	153	C 14	144	C 24	----	C 34	148	C 44	153	C 54	153
C 5	----	C 15	145	C 25	----	C 35	148	C 45	148	C 55	148
C 6	153	C 16	143	C 26	153	C 36	147	C 46	150	C 56	123
C 7	----	C 17	145	C 27	153	C 37	147	C 47	153	C 57	148
C 8	144	C 18	153	C 28	153	C 38	153	C 48	148	C 58	152
C 9	143	C 19	153	C 29	153	C 39	148	C 49	148	C 59	150
C 10	143	C 20	----	C 30	153	C 40	148	C 50	148	C 60	148
										C 61	148
										C 62	151
										C 63	150
										C 64	151
										C 65	148
										C 66	148
										C 67	153
										C 68	153
										C 69	150
										C 70	148

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C 71	153	C 81	153	C 91	149	C 101	----	C 111	149	C 121	153
C 72	148	C 82	----	C 92	153	C 102	148	C 112	153	C 122	153
C 73	150	C 83	----	C 93	153	C 103	148	C 113	152	C 123	153
C 74	148	C 84	----	C 94	148	C 104	153	C 114	152	C 124	148
C 75	148	C 85	150	C 95	153	C 105	153	C 115	152	C 125	153
C 76	123	C 86	148	C 96	----	C 106	148	C 116	152	C 126	153
C 77	148	C 87	150	C 97	----	C 107	153	C 117	152	C 127	153
C 78	152	C 88	----	C 98	153	C 108	148	C 118	152	C 128	153
C 79	148	C 89	----	C 99	----	C 109	149	C 119	152	C 129	153
C 80	153	C 90	153	C 100	----	C 110	149	C 120	152	C 130	153
										C 131	153
										C 132	153
										C 133	153
										C 134	148
										C 135	153
										C 136	148
										C 137	153
										C 138	148
										C 139	153
										C 140	153

4.MAIN CONTROL BOARD (H144-54/55/56/57)

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C 141	148	C 151	148	C 161	148	C 171	148	C 181	153	C 191	153	C 201	122
C 142	153	C 152	153	C 162	153	C 172	153	C 182	148	C 192	153	C 202	122
C 143	153	C 153	153	C 163	153	C 173	153	C 183	153	C 193	146	C 203	153
C 144	148	C 154	153	C 164	148	C 174	148	C 184	148	C 194	146	C 204	148
C 145	153	C 155	148	C 165	153	C 175	153	C 185	153	C 195	146	C 205	122
C 146	148	C 156	153	C 166	148	C 176	153	C 186	148	C 196	153	C 206	153
C 147	153	C 157	153	C 167	153	C 177	148	C 187	153	C 197	146	C 207	122
C 148	153	C 158	153	C 168	153	C 178	153	C 188	148	C 198	153	C 211	----
C 149	153	C 159	153	C 169	148	C 179	148	C 189	----	C 199	153	C 212	153
C 150	153	C 160	153	C 170	153	C 180	153	C 190	----	C 200	153	C 213	153

CONNECTOR

SYMBOL NO.	INDEX NO.
CN 1	104
CN 2	102
CN 3	102
CN 4	103
CN 5	107
CN 6	105
CN 7	101

DIODE

SYMBOL NO.	INDEX NO.
D 1	109

DL

SYMBOL NO.	INDEX NO.
DL 1	128

FIL

SYMBOL NO.	INDEX NO.
FIL 1	125
FIL 2	126
FIL 3	126
FIL 4	126
FIL 5	126
FIL 6	126
FIL 7	126
FIL 8	126
FIL 9	126
FIL 10	126

SYMBOL NO.	INDEX NO.
FIL 11	126
FIL 12	126
FIL 13	126
FIL 14	126
FIL 15	127
FIL 16	127
FIL 17	126
FIL 18	126
FIL 19	126
FIL 20	126

SYMBOL NO.	INDEX NO.
FIL 21	126

IC

SYMBOL NO.	INDEX NO.
IC 3 (Socket)	115
IC 5	106
IC 7	117
IC 8	116
IC 9	1
IC 10	118
IC 15	154
IC 16	154
IC 18	154

4.MAIN CONTROL BOARD (H144-54/55/56/57)

IC

SYMBOL NO.	INDEX NO.
IC 20	154
IC 22	119
IC 24	111
IC 26	113
IC 27	114
IC 29	110
IC 30	112

JP

SYMBOL NO.	INDEX NO.
JP 24	141
JP 26	142
JP 29	142
JP 30	142
JP 31	142
JP 32	142
JP 34	141
JP 37	137

OSC

SYMBOL NO.	INDEX NO.
OSC 1	121
OSC 3	2

REG

SYMBOL NO.	INDEX NO.
REG 2	120

RESISTOR

SYMBOL NO.	INDEX NO.
R 1	----
R 2	----
R 3	----
R 4	----
R 5	129
R 6	----
R 7	132
R 8	132
R 9	132
R 10	132

SYMBOL NO.	INDEX NO.
R 11	132
R 12	132
R 13	132
R 14	132
R 15	132
R 16	132
R 17	132
R 18	132
R 19	132
R 20	132

SYMBOL NO.	INDEX NO.
R 21	132
R 22	132
R 23	132
R 24	132
R 25	132
R 26	132
R 27	132
R 28	132
R 29	132
R 30	132

RESISTOR

SYMBOL NO.	INDEX NO.
R 31	132
R 32	132
R 33	132
R 34	132
R 35	132
R 36	132
R 37	132
R 38	132
R 39	134
R 40	134

SYMBOL NO.	INDEX NO.
R 41	----
R 42	136
R 43	136
R 44	136
R 45	137
R 46	137
R 47	137
R 48	136
R 49	136
R 50	140

SYMBOL NO.	INDEX NO.
R 51	140
R 52	140
R 53	140
R 54	140
R 55	140
R 56	----
R 57	136
R 58	136
R 59	132
R 60	136

SYMBOL NO.	INDEX NO.
R 61	136
R 62	136
R 63	136
R 64	136
R 65	136
R 66	137
R 67	137
R 68	136
R 69	136
R 70	140

SYMBOL NO.	INDEX NO.
R 71	140
R 72	137
R 73	137
R 74	----
R 75	----
R 76	140
R 77	----
R 78	140
R 79	----
R 80	140

SYMBOL NO.	INDEX NO.
R 81	140
R 82	----
R 83	----
R 84	----
R 85	140
R 86	140
R 87	----
R 88	140
R 89	140
R 90	140

SYMBOL NO.	INDEX NO.
R 91	140
R 92	135
R 93	140
R 94	140
R 95	140
R 96	140
R 97	133
R 98	----
R 99	140
R 100	140

RESISTOR

SYMBOL NO.	INDEX NO.
R 101	140
R 102	140
R 103	130
R 104	130
R 105	136
R 106	136
R 107	129
R 108	----
R 109	----
R 110	136

SYMBOL NO.	INDEX NO.
R 111	----
R 112	136
R 113	134
R 114	134
R 115	132
R 116	132
R 117	----
R 118	139
R 119	139
R 120	----

SYMBOL NO.	INDEX NO.
R 125	137
R 127	132
R 129	137
R 130	137
R 131	137
R 135	131
R 139	131
R 142	131
R 145	131
R 148	131

SYMBOL NO.	INDEX NO.
R 151	131
R 152	131
R 153	----
R 154	131
R 155	----
R 156	----
R 157	----
R 158	----
R 159	132
R 160	136

SYMBOL NO.	INDEX NO.
R 161	----
R 162	132
R 163	----
R 164	132
R 165	136
R 166	132
R 167	136
R 168	136
R 169	132
R 170	136

SYMBOL NO.	INDEX NO.
R 171	132
R 172	137
R 173	132
R 174	136
R 175	132
R 176	----
R 177	----
R 178	----
R 179	138
R 180	136

SYMBOL NO.	INDEX NO.
R 181	136
R 182	136
R 183	136
R 184	136
R 185	136
R 186	136
R 187	136
R 188	136
R 189	132
R 190	136

RESISTOR

SYMBOL NO.	INDEX NO.
R 191	136
R 192	134
R 193	136

SW

SYMBOL NO.	INDEX NO.
SW 1	108

4.MAIN CONTROL BOARD (H144-54/55/56/57)

Index No.	Part No.	Description	Q'ty Per Assembly
*	G301 5720	PCB STINGERP3 PCL	
1	G031 5903	IC - ASIC ROCKY_W	
2	G031 5904	Oscillator - SG8002JASC-CL	

Index No.	Part No.	Description	Q'ty Per Assembly
101	1102 5409	Connector - 20P	
102	1102 7358	Connector - 80P	
103	1102 7553	Connector - SX1BA-72S-0.635SH	
104	1102 7920	Connector - 52831-2010	
105	1102 7989	Connector - TB01207-S2	
106	1104 0378	IC Socket - 24P - DICF-24CS-E	
107	1104 0739	SIMM Socket- 72P	
108	1204 2368	Dip Switch - Dss804	
109	1402 1343	Diode - RB106L-40	
110	1407 2052	TTLIC - SN74LS74ANS	
111	1407 2187	TTLIC - SN74LS07NS	
112	1407 2463	TTL - SN74ALS08NS	
113	1407 3292	IC TC74HCT244AF	
114	1407 4467	CMOSIC TC74HCT273AF	
115	1407 4997	EEPROM AT28C16E-15PC	
116	1407 5025	CPU UPD30210GD-133-MBB	
117	1407 5040	CMOS SN74LVC161284DL	
118	1407 5093	IC - LH28F320S5NS-L90	
119	1408 0611	IC - 3771	
120	1408 1295	IC - UPC2933T	
121	1503 0878	Oscillator - 44.4MHZ	
122	1605 0453	Capacitor - 2200pF $\pm 10\%$	
123	1605 0912	Capacitor - 0.082 μ F $\pm 10\%$ 25V	
124	1605 0942	Capacitor - 0.22 μ F+80 -20% 50V	
125	1607 1018	Filter - ACB1608H-120	
126	1607 1041	Filter - ACB1608M-300	
127	1607 1069	IC - HF30ACC201209	
128	1607 1127	IC - DS100Z - 20	
129	1630 3330	Resistor - 33 Ω $\pm 5\%$ 1/10W	
130	1630 3519	Resistor - 5.1 Ω $\pm 5\%$ 1/10W	
131	1630 4102	Resistor - 1.0K Ω $\pm 5\%$ 1/16W	
132	1630 4103	Resistor - 10K Ω $\pm 5\%$ 1/16W	
133	1630 4104	Resistor - 100 Ω $\pm 5\%$ 1/16W	
134	1630 4122	Resistor - 1.2K Ω 5% 1/16W	
135	1630 4124	Resistor - 120K Ω $\pm 5\%$ 1/16W	

Index No.	Part No.	Description	Q'ty Per Assembly
136	1630 4330	Resistor - 33 Ω $\pm$ 5% 1/8W	
137	1630 4470	Resistor - 470 Ω $\pm$ 5% 1/16W	
138	1630 4472	Resistor - 4.7K Ω $\pm$ 5% 1/16W	
139	1630 4519	Resistor - 5.1 Ω $\pm$ 5% 1/16W	
140	1630 4680	Resistor - 68 Ω $\pm$ 5% 1/16W	
141	1633 0000	Resistor - 0 Ω 1/10W	
142	1634 0000	Resistor - 0 Ω 1/16W	
143	1642 0101	Capacitor - 100 μ F $\pm$ 20% 50V	
144	1642 2470	Capacitor - 47 μ F $\pm$ 20% 25V	
145	1643 2100	Capacitor - 10 μ F $\pm$ 20%	
146	1660 2220	Capacitor - 22pF $\pm$ 20% 35V	
147	1660 3121	Capacitor - 120pF $\pm$ 5% 50V	
148	1660 3220	Capacitor - 122pF $\pm$ 5% 50V	
149	1660 3221	Capacitor - 220pF $\pm$ 5% 50V	
150	1660 3330	Capacitor - 33pF $\pm$ 5% 50V	
151	1660 3680	Capacitor - 68pF $\pm$ 5% 50V	
152	1660 5102	Capacitor - 1000pF $\pm$ 10% 50V	
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